Use Attainability Analysis

for

WBID 0034 Birkhead Branch

Submitted by Missouri Department of Natural Resources Staff

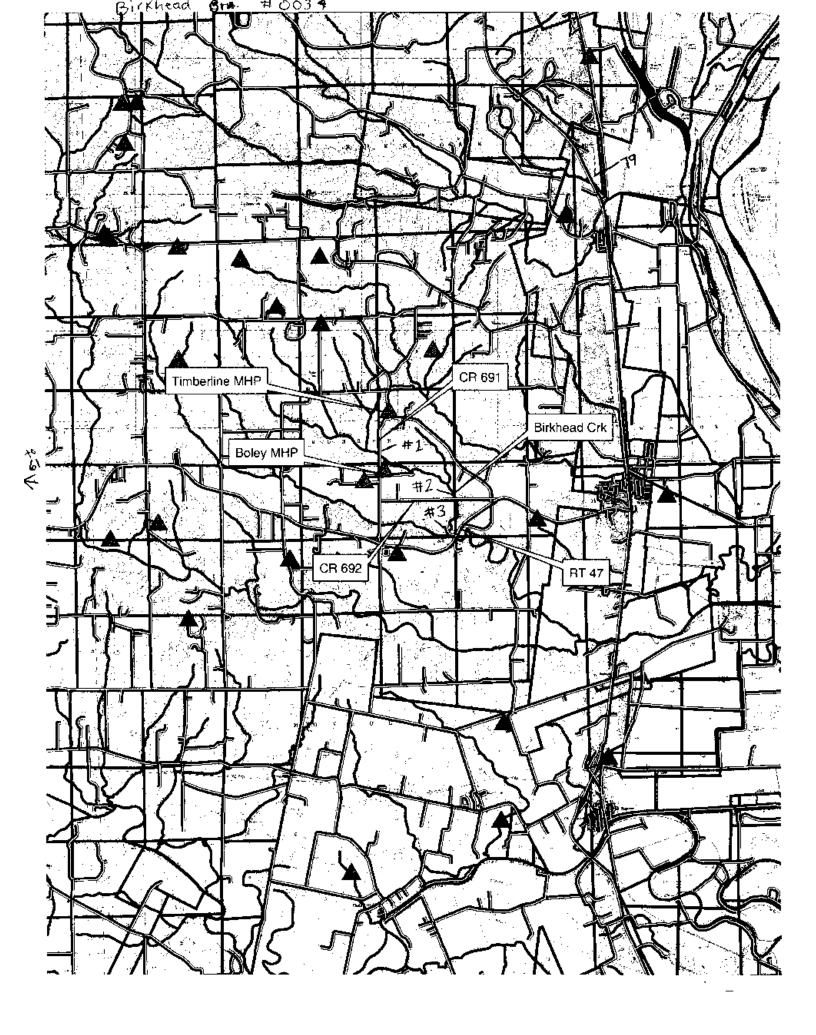
To Missouri Department of Natural Resources Water Protection Program

Data Sheet A - Water Body Identification

Water Body Name (from USGS 7.5' quad): Birkhead Branch
8-digit HUC: 07/10004
Missouri WBID#: 0034
County: Lincoln
Upstream Legal Description: East border of Sec. 17 T49N 22W
Downstream Legal Description: SE1/4 SE 1/4 Sec. 21 T49N R 2W
Upstream Coordinates: UTM 690524 4319434
Downstream Coordinates: UTM 691899 43177/6
Discharger Facility Name(s):
Discharger Permit Number(s):
Number of Sites Evaluated: 3
Name of Surveyor and Telephone Number: Tucker Fredrickson (573)526-4210
Organization: MDNR
Position: Environmental Specialist

"I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

sind Tuhen	Fredrickson	Date: 5/23/05
Signed: Vertical	T TOOM OF THE TOTAL TO THE TOTAL TOTAL TO THE TOTAL TOTAL TO THE TOTAL TO THE TOTAL TOTAL TO THE TOTAL TOTAL TO THE TOTAL TO THE TOTAL	Date:



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #:	24 -01		Site Location D	escription: / care and de-	ter bridge			
	Missouri WBID #: 0034 - 01 Site GPS Coordinates: 690524 4319434			Site Location Description: Lew water bridge. OP#1 Crossing County Road 691				
r , ,								
	Date & Time: 5/23/05 4:25			Facility Name: Birkhead Branch				
	Fredricke			Permit Number:				
Current Weather Conditions: Sunny 80°F			Weather Condit	Weather Conditions for Past 7 days: APPTER High - 80'5				
Photo Ids: Upstream:		nstream:	19 Othe	r:	, <u></u>			
Uses Observed*:								
Swimming	☐ Skin diving		SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking		Boating	☐ Wading	☐ Rafting			
☐ Hunting	☐ Trapping		Fishing	☑ None of the above	Other:			
Surrounding Condition items of interest.)					<u></u>			
☐ City/county parks	☐ Playgrounds	□ MDC	conservation lands	☐ Urban areas	☐ Campgrounds			
☐ Boating accesses	☐ State parks ☐ National		nal forests	☐ Nature trails	☐ Stairs/walkway			
☐ No trespass sign	☐ Fence	☐ Steep	slopes	DO Other: NA	<u> </u>			
Evidence of Human Use	e*:							
□ Roads	☐ Foot paths/priv	nts [Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks			
☐ Rope swings	☐ Camping Sites	. [I Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle			
Other: NA								

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - Data Sheet B for WBID # 0034:

□ Riffi	Width (f	t):					
□ Flow Downst □ Riffi			Length (ft):	Avg, Depth	(ft):	Max. Depth	(ft):
Downst	v Present?	t): 2 5	Length (ft):	/OO Avg. Depth	(ft); /	Max. Depth	(ft): 2.5
□ Riffi		,Æ□ Yes	□ No	Estimated (f	t³/sec):		
	tream Viev	w Physical	Dimensions:				
	le Width (f	ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth	(ft):
🛭 Run	Width (f	i): 1 <i>()</i>	Length (ft):	20 Avg. Depth	(A): 025	Max. Depth	(ft): 0.5
☐ Pool	Width (f	(t):	Length (ft):	Avg. Depth	(ft):	Max. Depth	(ft):
☐ Flow	v Present?	Ø Yes	□ No	Estimated (f	t³/sec):	•	
	* ~						
bstrate 30	": (These va % Cobble		add up to 100%.) Gravel	% Sand	% Silt	% Mud/Clay	40% Bedro
			unt of vegetation of	or algal growth at the associated per		1 5%	substrate coverage
Su ater Ch	rface c	overage ics*:(Mark			riphytor	1 5%	substrate coverage
Su	rface c	overage	25%			1 5 //。 (substrate coverage
Su ater Ch	rface c	overage ics*:(Mark	_— 25%	algae pe	riphytor	, _ ,	substrate loverage
Surater Ch Odor: Color:	rface c	overage ics*: (Mark □ Sewage	_— 25 % all that apply.) □ Musky	algae pe	riphytor A None	☐ Other:	substrate coverage





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #:	V			scription: Low water	bridge crossing		
Site GPS Coordinates	692061 431	8442	Op# 2 County Road 692				
	23/05 4:4		Facility Name: Birkhead Branch				
}```` -	er Fredrickso.	_ Λ	Permit Number:				
Current Weather Con)"F	Weather Condition	ons for Past 7 days: Affri	x. 0.5" rain		
Photo Ids: Upstream	4.5	ream:	21 Other		7 High 80s		
es Observed*:	Skin diving	□ sc	UBA diving	☐ Tubing	Water skiing		
Wind surfing	☐ Kayaking		ating	Wading	Rafting		
Hunting	Trapping		hing	None of the above	Other:		
Describe: (include no	mber of individuals recrea	ting, frequ	ency of use, photo-	documentation of evidence	of recreational uses, etc.		
NA urrounding Condi				documentation of evidence of e	nce or unusual		
NA urrounding Condi	tions*: (Mark all that pro	mote or in					
WA urrounding Condi	tions*: (Mark all that pro	mote or in	npede recreational v	ises. Attach photos of evider	nce or unusual		
NA Surrounding Conditions of interest.) City/county park	tions*: (Mark all that pro	mote or in	npede recreational v onservation lands I forests	ises. Attach photos of evider	nce or unusual Campgrounds		
urrounding Condi	tions*: (Mark all that pro Playgrounds State parks Fence	mote or in: MDC co	npede recreational v onservation lands I forests	uses. Attach photos of evider Urban areas Nature trails	nce or unusual Campgrounds		
urrounding Condi	tions*: (Mark all that pro Playgrounds State parks Fence	mote or im MDC co Nationa Steep si	npede recreational v onservation lands I forests	uses. Attach photos of evider Urban areas Nature trails	nce or unusual Campgrounds		

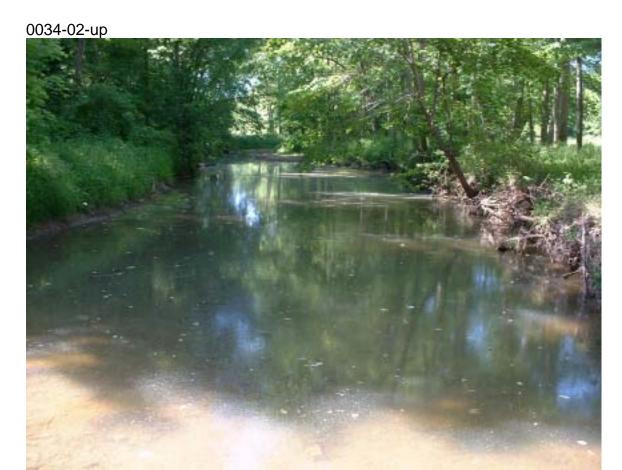
Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Data Sheet B - Site Characterization

Page Two - WBID #<u>003</u>4.

Stream Morpho Upstream Vie	logy: ew Physical Din	nensions:				
	dth (ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
☐ Run Wi	dth (ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	7-5-
Pool Wie	dth (ft): 25	Length (ft): 100	Avg. Depth	(fi): (.O	Max. Depth (ft):	2.5
Flow Pre	sent? 🔀 Yes [No No	Estimated (fi	³ /sec):		
Downstream	View Physical I	Dimensions:				
	ith (f.):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Run Wie	fth (ft): (j)	Length (ft): 20	Avg. Depth	(ft): 0.5	Max. Depth (ft):	0.75
Pool Wie	fth (ft):	Length (ft):	Avg. Depth		Max. Depth (ft):	~~
Flow Pre	sent? 🔀 Yes [] No	Estimated (f	³ /sec):		· · · · · · · · · · · · · · · · · · ·
Substrate*: (The			6 Sand 10	> % Silt	% Mud/Clay	% Bedrock
Aquatic Vegetat	ion*: (note amoun	t of vegetation or alga	Lorowth at the asse	ssment site)		
		erage 25°/,			lo substrafe	Coverage
Water Characte	ristics*: (Mark al	l that apply)		, , , , , , , , , , , , , , , , , , , ,		-
Odor:	Sewage	☐ Musky [Chemical	None N	Other:	
Color:	☐ Clear	Green [Gray	Milky	Other:	
Bottom Deposit	: Sludge		Fine sediments	☐ None	Other:	
Surface Deposit	: Oil	Scum [Foam	☐ None	Other:	
Comments: Plea	se attach additio	nal comments (inc	luding informat	ion from inter	views) to this form	1.
comprehensive unde	rstanding of water o	y for removal of a reco conditions. Consequer ut may point to condit	tly, this informatio	n is not intended	to directly influence :	
datasheet is true	and accurate.	m to the best of m				
Signed: Tuc	her tre	dicken	Date:	5/2.	3/05	
Organization:	MONR	durben	Positio	n: <u>E</u> S		





Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Discount in Did in.	Missouri W3ID#: CC 34 -03			Site Location Description: Low water bridge			
Site GPS Coordinates:		17716	Site Location Description: Low water bridge Crossing Ruffes Lane (PV+ Drive Of # 3 Off Hwy 47				
Date & Time: 5	23/05	5.00	Facility Name:	Birkead Branch			
Personnel: Tucker	Fredrick	- ' ' '	Permit Number:				
Current Weather Condit		80°F	Weather Conditions for Past 7 days: Affra. 0.5 of rain				
Photo Ids: Upstream:		nstream:	2.3 Othe		n temp evs		
<u> </u>	<u> </u>						
Uses Observed*:					· ·		
Swimming	Skin diving		UBA diving	☐ Tubing	Water skiing		
Wind surfing	☐ Kayaking	☐ Boa	ating	☐ Wading	Rafting		
Hunting	Trapping	☐ Fisl	hing	None of the above	Other:		
NA							
Surrounding Condition	ns*: (Mark all that p	romote or im	pede recreational v	uses. Attach photos of evide	nce or unusual		
Surrounding Condition	us*: (Mark all that p		pede recreational v	ises. Attach photos of evide	nce or unusual		
Surrounding Condition	·		nservation lands	T_	T		
Surrounding Condition items of interest.)	☐ Playgrounds	MDC co	nservation lands forests	Urban areas	Campgrounds		
Surrounding Condition items of interest.) City/county parks Boating accesses No trespass sign	Playgrounds State parks Fence	MDC co	nservation lands forests	☐ Urban areas ☐ Nature trails	Campgrounds		
Surrounding Condition items of interest.) City/county parks Boating accesses	Playgrounds State parks Fence	☐ MDC co ☐ National ☐ Steep slo	nservation lands forests	☐ Urban areas ☐ Nature trails	Campgrounds		

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two - WBID #<u>0034</u>:

Upstream View F						
Riffle Width (1		Length (ft):		. (4).		
			Avg. Depth		Max. Depth (ft):	
Run Width (i	<u> </u>		5 Avg. Depth	(ft): (), 5	Max. Depth (ft):	<u> </u>
Pool Width (1	t):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Flow Present?	Yes Yes	□ No	Estimated (ft³/sec):		
Downstream View	v Physical	Dimensions:				
Riffle Width (1	t):	Length (ft):	Avg. Depth	ı (ft):	Max. Depth (ft):	
Run Width (i	t):	Length (ft):	Avg. Depth	(fi):	Max. Depth (ft):	
Pool Width (0: 15	Length (ft):	5 Avg. Depth	(ft): 1.5	Max. Depth (ft):	3.5
Flow Present?	Yes Yes	□ No	Estimated (ft ³ /sec):		
0 1				· ·		
Substrate*: (These value 21) % Cobble				24.57	no se vier	
Z// 70 COORC		6 Gravel 5 (% Sand	% Silt	% Mud/Clay	% Bedrock
Aquatic Vegetation			algal growth at the ass loperiphy		% substrat	e Conevage
ţ	 ,,,					
Water Characteristi		all that apply.)	····			·
Odor:	Sewage	Musky	Chemical	None None	Other:	
Color:	Clear	☑ Green	Gray	Milky	Other:	
Bottom Deposit:	Sludge	Solids	Fine sediments		Other:	
Surface Deposit:	Oil	Scum_	Foam	None	Other:	
Comments: Please a 50 Minnows *This information is not t	obsen	ed, tire				n. ,
comprehensive understandecision on the recreation	ding of wate	r conditions. Consec	quently, this informati	on is not intended	I to directly influence	a
I, the undersigned, l datasheet is true and	ereby aff	irm to the best o	f my knowledge,	that all inform	nation reported o	on this UAA
Signed: Tuche			Date:_	5/23/0	5	



